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MASTER INDEX TO VOLUMES 11-20

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Founding Editor: F.F.Y. WANG

An interdisciplinary journal affiliated with the Materials Research Society and the Materials Research Society-Japan devoted to the rapid publication of short communications on the science, applications and processing of materials

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Alves da Silva, M., H.D. Burrows, S.J. Formosinho, M.H. Gil, A.R. Lourenço, F.J.A. Paula and A.P. Piedade, Photopolymerization of acrylamide onto magnetite particles: preparation of magnetic supports for enzyme immobilization 11 (1991) 96

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Amato, G., G. Benedetto, L. Boarino, R. Spagnolo and M. Turnaturi, Photothermal subgap spectra of doped silicon wafers 12 (1991) 257
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Andrade, A.J.P., A.J.S. Machado and R.F. Jardim, Kinetic study of La_2CuO_4 formation from an oxalate precursor 13 (1992) 96
Andrecut, M., Calculation of the paramagnetic susceptibility of $Tb(Cu_xNi_{1-x})_2$ intermetallic compounds 15 (1992) 167
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Aparna, Y., P.S. Reddy, B. Srinivasulu Naidu and P. Jayarama Reddy, Characterization of $CuGa_{0.25}In_{0.75}Se_2$ thin films 11 (1991) 273
Aparna, Y., P.S. Reddy, S. Uthanna, B. Srinivasulu Naidu and P. Jayarama Reddy, Characterization of polycrystalline thin-film $n\text{-}Zn_{0.35}Cd_{0.65}S/p\text{-}CuGa_{0.75}In_{0.25}Se_2$ heterojunctions 17 (1993) 282
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Ardizzone, S. and P. Lazzari, Homogeneous nucleation of pure phase oxides. Formation of rod-like particles 12 (1991) 37
Ardizzone, S., P. Lazzari and E. Sivieri, Temperature effects on rod-like zirconia particles. Morphology, degree of crystallinity and texture 16 (1993) 45
Aricò, A.S., V. Antonucci, P.L. Antonucci, E. Modica, S. Ferrara and N. Giordano, Electrodeposition and characterization of iron sulphide thin films 13 (1992) 12
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Arroyo, R., A. Campero and R. Rodríguez, Aggregation profiles of silica sols in a sol–gel process 16 (1993) 89
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Arunajatesan, S. and A.H. Carim, Symmetry and crystal structure of Ti_3SiC_2 20 (1994) 319
Asaoka, H., Formation of titania gels from titanium alkoxide and orthoboric acid in pyridine. I 19 (1994) 207

Asaoka, H., Sol–gel synthesis of crystalline ZrO_2 with partial replacement of zirconium by Al, Nb, Si and Ta. II 19 (1994) 213
Asaoka, H., Sol–gel synthesis of crystalline ZrO_2 with partial replacement of zirconium by Al, Nb, Si and Ta. II (Mater. Letters 19 (1994) 213). Erratum 20 (1994) 380
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Atta, A.K., P.K. Biswas and D. Ganguli, Optical properties of CdS- and (Cd, Zn)S-doped sol–gel titania films 15 (1992) 99
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Barth, S., R. Olazcuaga, P. Gravereau, G. Le Flem and P. Hagenmuller, $Mg_{0.5}Ti_2(PO_4)_3$ – a new member of the NASICON family with low thermal expansion 16 (1993) 96
Bastow, T.J., J.S. Hall, M.E. Smith and S. Steuernagel, Characterisation of hydrated aluminas by MAS and DOR ^{27}Al NMR 18 (1994) 197
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Bergmann, R., see S.H. Lee 19 (1994) 1
Bertolotti, M., G. Liakhou, R. Li Voti, F. Genel Ricciardiello, N. Sparvieri and C. Sibilia, Thermal diffusivity measurements for Mg–Mn ferrites 13 (1992) 51
Bertolotti, M., R. Li Voti, G. Liakhou and T.A. Ezquerra, Thermal diffusivity of polyethylene containing carbon 17 (1993) 171
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Bhargava, A., A.K. Varshneya and R.L. Snyder, Synthesis of superconducting ceramic coated metal wires by a glass-ceramic technique 11 (1991) 313
Bhattacharjee, S., U. Syamaprasad, R.K. Galgali and B.C. Mohanty, Preparation of calcia stabilised zirconia using a dc plasma 11 (1991) 59
Bhattacharjee, S., M.K. Paria and H.S. Maiti, Preparation of $PbTiO_3$ powder through oxalate precipitation route 13 (1992) 130
Bhattacharjee, S., U. Syamaprasad, R.K. Galgali and B.C. Mohanty, Preparation of stable t′-zirconia 15 (1992) 281
Bhattacharya, A.K., K.K. Mallick, A. Hartridge and J.L. Woodhead, Low-temperature synthesis and characterisation of crystalline zirconium titanate powder 18 (1994) 247
Bhattacharya, D., S.N. Roy, R.N. Basu, A. Das Sharma and H.S. Maiti, Critical current in electrophoretically deposited thick films of YBCO superconductor 16 (1993) 337
Bhattacharya, D., see A. Chattopadhyay 17 (1993) 179
Bhattacharya, D., S.N. Roy, R.N. Basu, A. Das Sharma and H.S. Maiti, Critical current in electrophoretically deposited thick films of YBCO superconductor (Mater. Letters 16 (1993) 337). Erratum 17 (1993) 398

Bhattacharyya, D., J. Dutta, S. Chaudhuri and A.K. Pal, Grain boundary effects on the thermoelectric power of semiconducting films 16 (1993) 218
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Bianco, A., G. Gusmano, R. Montanari, G. Montesperelli and E. Traversa, Preparation of Ni–Co metal powders by co-reduction of Ni(II) and Co(II) hydroxides for magnetoresistive sensors 19 (1994) 263
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Bickmann, K. and J. Hauck, Structural variation of epitaxial InP/GaAs/Si films at thermal treatment 11 (1991) 236
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Bisero, D., M. Dapor and B. Margesin, X-ray diffraction study of P-doped polycrystalline Si thin films used in ULSI devices 14 (1992) 303
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Block, J. and L.E. Dolhert, Preparation of orthorhombic $YBa_2Cu_3O_{7-\delta}$ by spray-drying formate solutions 11 (1991) 334
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Boakye, F., K.G. Adanu and A.D.C. Grassie, Critical scattering of conduction electrons around the Néel temperature of α-manganese thin films 18 (1994) 320
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Boiko, Y., H. Jaeger, M. Aslan, K. Schulze and G. Petzow, Elastic twins in $YBa_2Cu_3O_7$ crystals 11 (1991) 207
Bokhonov, B.B., A.P. Nemudry, Yu.T. Pavlukhin and V.V. Boldyrev, Electron microscopic study of the interaction of $YBa_2Cu_3O_6$ with iodine 16 (1993) 53
Boldú, J.L., see T. Lopez 20 (1994) 363
Boldyrev, V.V., A.A. Sidelnikov and A.P. Chupakhin, Reciprocal effects during nuclei growth in solid-state transformations 16 (1993) 51
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Boulton, L.M., P.J. Gregson, M. Tuke and T. Baldwin, Adhesively bonded hydroxyapatite coating 12 (1991) 1
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Bu, Y., C.S. Chu and M.C. Lin, Decomposition of trimethyl indium on Si(111)-7×7 studied with XPS, UPS and HREELS 14 (1992) 207
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Byeon, S.-H. and G. Demazeau, Preparation and physical characterizations of the $SrLaM_{0.50}Ni_{0.50}O_4$ (M=Al, Ga) and $SrLnAl_{0.50}Ni_{0.50}O_4$ (Ln=Nd, Sm) oxides with the K_2NiF_4-type structure 12 (1991) 158
Byeon, S.-H., G. Demazeau, J.-H. Choy and L. Fournes, High-pressure synthesis and characterization of ordered cubic perovskite $Ba_2Bi(V)Fe(III)O_6$ 12 (1991) 163
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Cadieu, F.J., H. Hegde, R. Rani, A. Navarathna and K. Chen, Cell volume expansion in $Sm_5(Fe, T)_{17}$, T°i, V, magnetic phases 11 (1991) 284
Cadogan, J.M., H.-S. Li, A. Margarian and J.B. Dunlop, On the ternary intermetallic phases formed by $YFe_{12-x}Ga_x$ ($1 \leqslant x \leqslant 2$) 18 (1994) 39
Cai, L.Y., X.W. Zhang and X.R. Wang, HREM study of ordered and disordered structures in $Pb(Sc_{0.5}Ta_{0.5})O_3$ 20 (1994) 169
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Capozzi, C.A., R.A. Condrate Sr., L.D. Pye and R.P. Hapanowicz, Vibrational spectral/structural changes from the hydrolysis/polycondensation of methyl-modified silicates. II. Comparisons for condensates from the binary diethoxydimethylsilane/tetramethoxysilane system 15 (1992) 233
Capozzi, C.A., R.A. Condrate Sr. and L.D. Pye, Vibrational spectral/structural changes from the hydrolysis/polycondensation of methyl-modified silicates. III. IR spectral comparisons for condensates from the binary methyltrimethoxysilane/tetramethoxysilane system 16 (1993) 300
Capozzi, C.A., R.A. Condrate Sr., L.D. Pye and R.P. Hapanowicz, Vibrational spectral/structural changes from the hydrolysis/polycondensation of methyl-modified silicates. IV. IR spectral comparisons from the tetramethoxysilane/methyltrimethoxysilane/diethoxydimethylsilane system 18 (1994) 349
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Carsí, M., F. Peñalba, J. Ibáñez and G. González-Doncel, Prediction of superplastic behavior from high strain rate tests 20 (1994) 119
Carson, R.T., J.H. Givens, H.S. Savage, Y.W. Lee and J.M. Rigsbee, Effects of oxygen on the electrical and electrochemical properties of ion-plated titanium nitride 14 (1992) 313
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Casas-Ruiz, M., J. Vázquez, R.A. Ligero and R. Jiménez-Garay, Local order hypotheses and spatial atomic distribution in the glassy alloy $Cu_{0.05}Ge_{0.15}Te_{0.80}$ by X-ray diffraction 14 (1992) 143
Castaño, V.M., R. Velázquez, R. Rodríguez and V.M. Monroy, Evaluation of the polybutadiene content in some high-impact copolymers by transmission electron microscopy and digital image processing 12 (1991) 199
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Chang, L., see P.D. Han 12 (1992) 397
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Chatterjee, A.P., A.K. Mukhopadhyay, A.K. Chakraborty, R.N. Sasmal and S.K. Lahiri, Electrodeposition and characterisation of cuprous oxide films 11 (1991) 358
Chattopadhyay, A., D. Bhattacharya and R.P. Singh, Reversible gel formation induced by ion complexation involving a cupric ion–guargum-graft-acrylamide interaction 17 (1993) 179
Chattopadhyay, K.K., J. Dutta, S. Chaudhuri and A.K. Pal, Preparation of diamond films by axial magnetron sputtering of vitreous carbon target 16 (1993) 145
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Chattopadhyay, K.K., P. Mitra, S. Chaudhuri and A.K. Pal, Grain boundary barrier height in polycrystalline diamond films produced by dc plasma deposition of CO_2 and hydrogen 18 (1994) 313
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Chen, Y.-L. and Y.-T. Cheng, Epitaxial growth of molybdenum on the alpha-iron (111) surface 15 (1992) 192
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Choy, J.-H., S.-G. Kang, Q. Won Choi, D.-Y. Jung and G. Demazeau, Thermodynamic studies on $YBa_2Cu_3O_{7-\delta}$ and Y_2BaCuO_5 by solution calorimetry 15 (1992) 156
Choy, J.-H., J.-S. Yoo, Y.-S. Han and Y.-H. Kim, Citrate sol–gel method for the preparation of β/β″-alumina 16 (1993) 226
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Dai, J.Y., Z.P. Xing, Y.G. Wang, D.X. Li, J.T. Guo, L.L. He and H.Q. Ye, HREM study of TiB_2/NiAl interfaces in a NiAl–TiB_2 in-situ composite 20 (1994) 23
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Du, L., P. Mo and J. Wu, Al-doped GaAs crystals grown by the LEC method 11 (1991) 277
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Finkelstein, L.D., N.N. Efremova, A.V. Postnikov, E.Z. Kurmaev, N.A. Babushkina and G. Balakrishnan, Time and composition dependence of the spectral shape of the X-ray Ce L_{III} absorption in the $R_{2-x}Ce_xCuO_{4-\delta}$ superconductors 16 (1993) 265
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Hirata, Y. and T. Ozaki, Rheology and consolidation of aqueous suspensions with nanometer-sized $BaTi_{1-x}Zr_xO_3$ powders 15 (1992) 31
Hirata, Y., H. Shinya and T. Izaiku, Annealing effects on electrical properties of reaction-sintered $\beta+\beta''$-alumina ceramics 15 (1992) 274
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Hirata, Y. and M. Kawabata, Dispersion and consolidation of ultrafine $BaTiO_3$ powder in non-aqueous solutions 16 (1993) 175
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Hu, H., J. Saniger, J. Garcia-Alejandre and V.M. Castaño, Fourier transform infrared spectroscopy studies of the reaction between polyacrylic acid and metal oxides 12 (1991) 281
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Inoue, A., H. Yamagata and T. Masumoto, Nitrogen-induced amorphization in $Al_{80}Ti_{20}$ films prepared by reactive sputtering 16 (1993) 181
Inoue, A., N. Nishiyama, K. Amiya, T. Zhang and T. Masumoto, Ti-based amorphous alloys with a wide supercooled liquid region 19 (1994) 131
Inoue, T., S. Morito, Y. Murakami, K. Oda and K. Otsuka, New martensite structures and composition dependence of martensitic transformations in $Ni_{50}Al_xMn_{50-x}$ alloys 19 (1994) 33
Ismail, K.Z., see M.E. Kassem 16 (1993) 102
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Jabłoński, R., P. Byszweski, W. Giersz, A. Pajączkowska and I. Pracka, Magnetic properties of $CaNdAlO_4$ high-T_c substrates 14 (1992) 183
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Jardim, R.F. and M.B. Maple, On the formation of $LnCeO_y$ (Ln=Nd, Pr, Sm, Eu) solid solutions 18 (1994) 5
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Jiang, D., see J. She 14 (1992) 240
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Jiang, H.G., see H.Y. Tong 16 (1993) 260
Jiang, H.G., B.Z. Ding, H.Y. Tong, J.T. Wang and Z.Q. Hu, Diffusivity of Si in two amorphous alloys of $(Fe–Ni)_{78}Si_{12}B_{10}$ 17 (1993) 69
Jiang, M.H., see X.L. Wang 15 (1993) 343
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Jiménez, J., E. Martín and A.C. Prieto, Raman microprobe: a non-destructive tool for studying local misorientations in GaAs 12 (1991) 132
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Jiménez-Ceniceros, A., G. Vázquez-Polo, C. Renero and V.M. Castaño, Mechanical model for two-dimensional coarsening foams 19 (1994) 317
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Jin, H., Z. Hu, Y. Ge, Q. Liu, Y. Wang and C. Shi, Characteristic study of Bi-based superconducting whiskers and their substrate 12 (1991) 286
Jin, H., X.H. Chen, Z.J. Chen, L. Yang and G.E. Zhou, Growth and structure of Bi–Sr–Y–Ce–Cu–O T*-phase single crystals 20 (1994) 79
Jin, S. and M. McCormack, Lead-free solders 20 (1994) 91
Jin, Y., C. Li, J. Ru and M. Yan, On the stress corrosion behavior of 7050 Al alloys 12 (1991) 376
Jin, Y., C. Li and M. Yan, The crystal structure of the X phase in the Al–Zn–Mg alloy 13 (1992) 115
Jin, Y., C. Li, J. Mi and M. Yan, A new phase transition of SiC particulates in cast Al metal matrix composites 14 (1992) 285
Jin, Z.Z., see J.Y. Dai 16 (1993) 317
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Jones, S.A. and J.M. Burlitch, In situ formation of composites of alumina with nickel and with nickel aluminide 19 (1994) 233
Joo, J., see L.J. Martin 17 (1993) 232
Jorda, J.L., R. Abraham, M.T. Cohen-Adad, M. Couach and A. Khoder, Oxidation of metallic precursors: a route to high-temperature superconductivity in the thallium-based series 11 (1991) 326
Jordović, B., see O. Milošević 19 (1994) 165
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Joseph, K., S. Thomas and C. Pavithran, Viscoelastic properties of short-sisal-fiber-filled low-density polyethylene composites: effect of fiber length and orientation 15 (1992) 224
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Joshi, S.V., A prediction model to assist plasma and HVOF spraying 14 (1992) 31
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Juárez-Islas, J.A., R. Pérez and S.J. Savage, HREM studies of rapidly solidified Ni–Fe–Al–B shape memory alloys 14 (1992) 1
Juárez-Islas, J.A., see J.L. Albarran 15 (1992) 68
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Kao, C.H., Y.D. Chiu, S.L. Dung, L.C. Lee, T.S. Lei and M.K. Wu, Effect of calcining conditions on the formation of the high-T_c Bi–Pb–Sr–Ca–Cu–O phase 20 (1994) 83
Kao, C.H., H.Y. Tang and M.K. Wu, Fracture toughness measurements of the superconductor $Ba_{0.62}K_{0.38}BiO_3$ by use of the indentation technique 20 (1994) 87
Kao, M. and B.L. McKinney, The properties of $YBa_2Cu_3O_7$ superconductors sintered from the powder mixture of Y_2O_3, BaO_2, and Cu_2O 11 (1991) 91
Kapranos, P., see A.R.A. McLelland 11 (1991) 26
Karabashev, S. and Th. Wolf, Reaction paths during melt texturing of $YBa_2Cu_3O_{7-x}$ 16 (1993) 331
Karakostas, Th., see N.K. Flevaris 12 (1991) 7
Karam, G.N. and T.D. Tonyan, Fractal morphology of cement foams 16 (1993) 278
Karam, N.H., see N.A. El-Masry 14 (1992) 58
Karanović, Lj., D. Poleti and D. Vasović, On the possibility of pyrochlore phase formation in zinc oxide varistor ceramic 18 (1994) 191
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Kassem, M.E., Ferroelastic-assisted phase transition to fast ionic conduction in $LiKSO_4$. A correlative ac conductivity–specific heat study 15 (1992) 162
Kassem, M.E., see M.Sh. Ramadan 16 (1993) 33
Kassem, M.E., M.A. El-Kolaly and K.Z. Ismail, Thermal and thermoluminescence properties of γ-irradiated $LiNaSO_4$ crystals doped with Tl 16 (1993) 102
Kassem, M.E., A.A. Higazy, R.R. Zahran and A.Y. Kandeil, Optical properties of γ-irradiated low-density polyethylene 16 (1993) 236
Kassem, M.E., N.K. Madi, N. Abdel Rehim and W.M. Abou Taleb, Radiation and field induced effects on the electrical and optical properties of polyvinylidene fluoride 19 (1994) 87
Kassem, M.E., see A.A. Higazy 20 (1994) 237
Kaszuwara, W., M. Leonowicz and A. Łukasiewicz, New ferromagnetic material by exothermic reaction of a polymetallic complex compound MAX ($M=Fe^{3+}+Co^{2+}$, $A=SO_3^{2-}$, X = 3-amino-1,2,4-triazol) 12 (1992) 429
Kato, A., see S. Nagashima 19 (1994) 171
Kato, K., H. Uekita, M. Ichimura, N. Kitamura, A. Usami and T. Wada, Extremely-low-temperature LPE growth of $Al_xGa_{1-x-y}In_ySb$ 13 (1992) 93

Kaufman, D.Y., M.T. Lanagan, T.A. Ballen, S.E. Dorris, J.T. Dawley and R.B. Poeppel, Bi-rich Bi–Pb–Sr–Ca–Cu–O (2-2-2-3) superconducting tapes 18 (1994) 1
Kaushik, V.S., A.K. Datye, S.S. Tsao, T.R. Guilinger and M.J. Kelly, Microstructure of pores in n^+ silicon 11 (1991) 109
Kawabata, M., see Y. Hirata 16 (1993) 175
Kawano, H., see K. Morii 12 (1991) 147
Kawano, H., K. Morii and Y. Nakayama, Microstructural and dielectric properties of $BaTiO_3$ thin films prepared by atom beam sputtering 12 (1991) 252
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Kellermann, K. and G. Willeke, Observation of silicon etch pit formation in quiescent concentrated aqueous HF solutions 19 (1994) 7
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Khaled, M.A., E.A. Hassan, A. Elwy and E.E. Metwally, Effect of carbon black on the electrical and creep characteristics of EPDM rubber 19 (1994) 325
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Kim, C.J., M.S. Hahn, D.S. Suhr, K.B. Kim, H.J. Lee, H.G. Lee, G.W. Hong and D.Y. Won, Effects of Ag/Ag_2O doping on the superconductivity of the $Bi_{1.84}Pb_{0.34}Sr_{1.91}Ca_{2.03}Cu_{3.06}O_y$ oxide 11 (1991) 79
Kim, C.J., K.B. Kim, K.W. Lee, C.T. Lee, G.W. Hong, I.S. Chang and D.Y. Won, Effects of $BaTiO_3$ addition on the superconducting properties of $YBa_2Cu_3O_{7-y}$ prepared by partial melt processing 11 (1991) 241
Kim, C.J., K.B. Kim and D.Y. Won, Oxygen diffusion paths and microcrack formation in the textured 1-2-3 regions of partial-melted Y–Ba–Cu–O oxide 14 (1992) 268
Kim, C.J., S.H. Lai and P.J. McGinn, Morphology of Y_2BaCuO_5 and segregation of second phase particles in melt-textured Y–Ba–Cu oxides with/without $BaCeO_3$ addition 19 (1994) 185
Kim, C.J., K.B. Kim, D.Y. Won and G.W. Hong, Dissolution of Y_2BaCuO_5 through the peritectic reaction rim formed at the front of growing $YBa_2Cu_3O_{7-y}$ crystal 20 (1994) 283
Kim, D.-K., B.-T. Lee, Y.D. Woo, T.W. Kang and M.C. Paek, Effects of in-situ thermal annealing on defects associated with GaAs/Ge interface in GaAs/Ge/Si heterostructure 16 (1993) 26
Kim, D.-K. and B.-T. Lee, Prevention of substrate melt-back by Se addition during liquid phase epitaxial growth of GaAs on GaAs-coated Si 20 (1994) 335
Kim, D.-Y., see H.-H. Yoon 20 (1994) 293
Kim, H.-B., see M. Ueda 20 (1994) 245
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Kim, J., J.J. Alwan, J.J. Coleman and C.M. Wayman, Interface characterization of (In,Ga)As/AlGaAs layers grown by metalorganic chemical vapor deposition 11 (1991) 151
Kim, J.N., see T.Y. Kwon 20 (1994) 211
Kim, J.S. and D.R. Gaskell, The decomposition of $YBa_2Cu_3O_{7-x}$ at low oxygen pressures 16 (1993) 327
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Kim, K.B., see C.J. Kim 11 (1991) 241
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Kim, K.T., J.J. Wang and G. Welsch, Chemical vapor deposition (CVD) of rhenium 12 (1991) 43
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Kimura, H., A. Inoue and T. Masumoto, Production of nanocrystalline ZrO_2 and Pd composites by oxidation of an amorphous $Zr_{65}Pd_{35}$ alloy 14 (1992) 232
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Kingsley, J.J. and L.R. Pederson, Combustion synthesis of perovskite $LnCrO_3$ powders using ammonium dichromate 18 (1994) 89
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Kitamura, N., H. Yamamoto and T. Wada, Temperature dependence of band-gap energy of $Al_xGa_{1-x}Sb$ 15 (1992) 89
Kitamura, N. and T. Wada, Infrared reflectance and optical properties of LPE–$Al_xGa_{1-x}Sb$ 19 (1994) 105
Klatt, K.H., see A. Zaitsev 15 (1992) 146
Klyui, N.I., V.G. Litovchenko, B.N. Romanyuk and V.P. Melnik, Investigation of multilayer SOI structures by electroreflectance spectroscopy 18 (1994) 137
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Konstantinov, K., A. Souleva, I. Stambolova and N. Balchev, Alkaline doped Bi–Pb–(Sb)–Sr–Ca–Cu–O superconducting materials 19 (1994) 297
Kopelev, N., see A. Nath 16 (1993) 39
Korenivski, V.N., see B.M. Moon 14 (1992) 72
Koshy, J., J.K. Thomas, J. Kurian, Y.P. Yadava and A.D. Damodaran, $YBa_2HfO_{5.5}$: a new perovskite potentially suitable as a substrate for YBCO films 15 (1992) 298
Koshy, J., J.K. Thomas, J. Kurian, Y.P. Yadava and A.D. Damodaran, Development and characterization of $GdBa_2NbO_6$, a new ceramic substrate for YBCO thick films 17 (1993) 393

Kostyunin, G.E., see Yu.S. Gromovoj 13 (1992) 18
Kottmann, A., see Th. Schuster 14 (1992) 189
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Koutsomichalis, A., C. Panagopoulos and H. Badekas, Wear behaviour of alumina plasma-sprayed coating on an Al–Cu alloy 18 (1994) 19
Krätschmer, W., see X. Liu 13 (1992) 318
Krause, S., see J.M. Phillips 11 (1991) 10
Krier, A. and D.R. Rowe, Photoluminescence of LPE-grown $InAs_{1-x-y}Sb_xP_y$ for 2.55 μm lasers 13 (1992) 225
Krishnaiah, M.V., see P. Srirama Murti 11 (1991) 63
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Kruppa, D., R. Dupree and M.H. Lewis, ^{15}N MAS NMR in the YSiAlON system 11 (1991) 195
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Kulkarni, A.V., R. Lal, V.P. Godbole and S.B. Ogale, Internal friction in iron–oxygen system 11 (1991) 171
Kulkarni, S.B., see S.H. Pawar 20 (1994) 279
Kumar, P., V. Pillai, S.R. Bates and D.O. Shah, Preparation of $YBa_2Cu_3O_{7-x}$ superconductor by coprecipitation of nanosize oxalate precursor powder in microemulsions 16 (1993) 68
Kumpf, J., see S. Meassick 14 (1992) 63
Kumta, P.N., R.E. Hackenberg, P. McMichael and W.C. Johnson, Solution sol–gel synthesis and phase evolution studies of cordierite xerogels, aerogels and thin films 20 (1994) 355
Kundu, D., see G. De 16 (1993) 231
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Kurmaev, E.Z., see L.D. Finkelstein 16 (1993) 265
Kurmaev, E.Z., S.N. Shamin and Y. Kim, Crystallization of CVD carbon films on Si substrates 19 (1994) 123
Kúš, P., Š. Mačica and D. Beňovič, Ion beam modification and analysis of GdBaCuO thin film on Si substrates at 300 and 77 K without any buffer layer 12 (1991) 327
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Kwon, T.Y., J.J. Ju, J.W. Cha, J.N. Kim and S.I. Yun, Characteristics of critically phase-matched second-harmonic generation of a $Li_2B_4O_7$ crystal grown by the Czochralski method 20 (1994) 211

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Lai, C.-H., see J.-M. Wu 15 (1992) 35
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Lakeman, C.D.E., G. Pan, N. Muto, M. Miyayama, H. Yanagida and D.A. Payne, Coiled carbon fibers from PAN precursors 13 (1992) 330
Lakshmi Narayan, R. and S.V. Suryanarayana, Transport properties of the perovskite-type halides 11 (1991) 305
Lal, R., see A.V. Kulkarni 11 (1991) 171
Lam, W.W. and I. Shih, InSb thin films prepared by a multilayer vacuum deposition method 16 (1993) 8
Lambert, P., see D. Dubé 15 (1992) 1
Lambert, P., D. Dubé, C. Gélinas and B. Arsenault, Effect of precursors on the size of 2-1-1 in melt-processed $ErBa_2Cu_3O_{7-x}$ 15 (1992) 8
Lanagan, M.T., see J.M. Phillips 11 (1991) 10
Lanagan, M.T., see G. Risch 12 (1991) 291
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Langhammer, H.T., M. Dabrunz, K.-H. Felgner and H.-P. Abicht, An investigation of grain growth, segregation and diffusion in ceramic systems by the use of heterogeneous structures 15 (1992) 268
Langner, J., see J. Piekoszewski 14 (1992) 131
Lao, K.J., see W.L. Wang 13 (1992) 342
Larena, A. and G. Pinto, Analysis of the relationship between surface roughness and reflectometrical measurement of polyethylene films 11 (1991) 309
Larena, A., J. Martínez Urreaga and M.U. de la Orden, Effects of previous leaching with hydrochloric acid of E-glass short fibre on the fibre reaction with chlorosilanes 12 (1992) 415
Laschinski, R., see J.Y. Ying 15 (1992) 180
Lazzari, P., see S. Ardizzone 12 (1991) 37
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Leccabue, F., R. Panizzieri, G. Bocelli, G. Calestani and J.L. Sanchez, Magnetic and structural study of high-coercivity as-cast rare-earth–iron alloys 11 (1991) 124
Leccabue, F., see B.E. Watts 11 (1991) 183
Ledbetter, H., see S. Lin 16 (1993) 165
Ledentsov, N.N., N. Tsukada and K. Ploog, Intrinsic luminescence in GaAs/AlAs ultrathin-layer superlattices 14 (1992) 162
Lee, B.-T., see D.-K. Kim 16 (1993) 26
Lee, B.-T., see D.-K. Kim 20 (1994) 335
Lee, B.I. and K.T. Chou, Low-density monolithic silica gels prepared under ambient conditions 14 (1992) 112
Lee, B.I., Properties of low-density bulk silica gel: lyosil 19 (1994) 217
Lee, C.T., see C.J. Kim 11 (1991) 241
Lee, D.S., see J.D. Whittenberger 12 (1992) 453
Lee, H.-L., W.-H. Lu and S.L.-I. Chan, Effect of aging on the sliding abrasive wear of P/M 2014 and 6061 Al alloy–SiC particle composites 15 (1992) 49

Lee, H.G., see C.J. Kim 11 (1991) 79
Lee, H.J., see C.J. Kim 11 (1991) 79
Lee, K.W., see C.J. Kim 11 (1991) 241
Lee, L.C., see C.H. Kao 20 (1994) 83
Lee, S.B. and T.J. Rockett, Electrolyte diffusion and crystal growth in polyesters 13 (1992) 306
Lee, S.H., R. Bergmann, E. Bauser and H.J. Queisser, Solution growth of silicon on Al–Si coated quartz glass substrates 19 (1994) 1
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Li, J.G. and H. Hausner, Contact angle and work of adhesion isotherms of silicon–tin alloys on monocrystalline silicon carbide 11 (1991) 355
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Li, X. and H. Chiao, Characterization of flame-synthesized diamond by electron probe microanalysis 13 (1992) 284
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Lin, L.-J. and T.-B. Wu, Morphotropic phase boundaries in the ternary system of $Pb(Mg_{1/3}Nb_{2/3})O_3$–$La(Mg_{2/3}Nb_{1/3})O_3$–$PbTiO_3$ 11 (1991) 222
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Lopez, T., R. Gomez, E. Muñoz, J.L. Boldú and O. Novaro, Spectroscopic study of catalysts derived from Li/MgO sol–gel 20 (1994) 363
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Łukasiewicz, T. and A. Majchrowski, Czochralski growth of lithium tetraborate single crystals 11 (1991) 281
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Mamutin, V.V., N.F. Kartenko and S.I. Goloschapov, $DyBa_2Cu_3O_x$ superconducting thin films grown by MBE 20 (1994) 155
Manaf, A., M. Leonowicz, H.A. Davies and R.A. Buckley, Nanocrystalline Fe–Nd–B type permanent magnet materials with enhanced remanence 13 (1992) 194
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Matsumoto, H., Effects of thermal cycling and annealing on the martensitic transformation of cold-rolled $Ni_{48}Ti_{52}$ alloy 11 (1991) 40
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Mihelić, B., M. Dakić, R. Djekić and D. Uskoković, Processing of compact materials by the use of self-propagating high-temperature synthesis and pseudo-hot isostatic pressing 13 (1992) 391
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Millán, M., J. Leal and A. Conde, Electron microscopy study of the crystallization of $Fe_{75}Co_4B_{18}Si_3$ glass 14 (1992) 227
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Mokhtari, M., C. Perrin, O. Peña, A. Perrin and M. Sergent, Superconducting properties and structural evolution of $YBa_2Cu_3O_x$ brominated under Br_2 or CBr_4 vapours 13 (1992) 241
Molina, S.I., G. Aragón, Y. González, L. González, F. Briones, F.A. Ponce and R. García, Experimental evidence of the structure of annihilation of antiphase boundaries in GaAs on Si 15 (1993) 353
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Morii, K., S. Wanaka and Y. Nakayama, Effects of crystallization on the optical and electrical properties of amorphous Sb–S–Ge thin films 15 (1992) 285
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Panigrahi, J.C. and R.K. Panda, Transition-metal chalcogenide materials. Quick and convenient methods of synthesis of crystalline nickel(II) disulfide 12 (1991) 112
Panigrahi, J.C. and R.K. Panda, Solid-state electroactive materials. Synthesis and solid-state electroactivity of some new materials derived from tris(2,2′-bipyridine-N,N′-dioxide)nickel(II)/zinc(II)/cadmium(II)/mercury(II) and hexacyanoferrate(II)/(III) 13 (1992) 84
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Phillips, J.C., Resonant pinning, supercell structure, and superconductivity ($T_c > 140$ K) in Hg–Ba–Ca–Cu–O systems 18 (1994) 106
Phillips, J.M., S. Krause, M.T. Lanagan, R.A. Olson, P.R. Sharpe, M.L. Ray, S.E. Dorris and K.C. Goretta, Bi–Sr–Ca–Cu–O/Ca_2CuO_3 composites 11 (1991) 10
Piedade, A.P., see M. Alves da Silva 11 (1991) 96
Piekoszewski, J., J. Langner, L. Nowicki, A. Turos, L. Waliś and A. Ciurapiński, High-dose doping of steels with nitrogen using intense pulsed ion beams 14 (1992) 131
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Prasad, P.B.S.N.V., see S. Ahila 20 (1994) 107
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Quiroga, I., J. Vázquez, P. Villares and R. Jiménez-Garay, Analysis of short-range order and structural model in the glassy semiconductor $Ge_{0.20}Sb_{0.20}Se_{0.60}$ by X-ray diffraction 17 (1993) 333
Qureshi, I., P.K. Ajmera and S. Felps, Laser-induced photofragment emission spectrum of vapor phase triethylgallium using 193 nm excitation 14 (1992) 107

Raabe, D., Simulation of texture evolution during rolling deformation of an intermetallic Fe–28Al–5Cr polycrystal 19 (1994) 75
Rabiller, P., P. Genevey, M. Decroux, R. Chevrel, M. Sergent, L. Le Lay and P. Dubots, Promising advances in the elaboration of superconducting $PbMo_6S_8$-based wires 15 (1992) 19
Rabinovich, Yu.M., S. Szymura and H. Bala, Properties of sintered Nd–Fe–B permanent magnet of Nd–Fe alloy obtained by an electrochemical method 16 (1993) 210
Radhakrishnan, S., S. Chakne and P.N. Shelke, High piezoresistivity in conducting polymer composites 18 (1994) 358
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Raju, K.S., M. Khalil Pour Seydei and S.A. Suthanthiraraj, Bonding characteristics in silver vanadate: an XPS study 19 (1994) 65
Raju, S., E. Mohandas, A.L.E. Terrance and V.S. Raghunathan, Application of the macroscopic atom model of cohesion to structural systematics of $L1_0$ compounds 12 (1991) 356
Raju, S., E. Mohandas, A.L.E. Terrance and V.S. Raghunathan, Structural systematics of cubic binary carbides and nitrides 15 (1992) 56
Raju, S., E. Mohandas and V.S. Raghunathan, A new parameter for structure maps of intermetallic compounds 16 (1993) 123
Ramadan, M.Sh., M.M. El-Banna, A.E. Hamed and M.E. Kassem, Electrical properties of some S-*n*-alkylisothiouronium compounds 16 (1993) 33
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Ramesh Kumar, C., B. Subba Rao and V.V.R. Narasimha Rao, Thermally stimulated discharge current studies in styrene–methyl methacrylate copolymer films 13 (1992) 152
Ramírez-Malo, J.B., E. Márquez, P. Villares and R. Jiménez-Garay, Refractive-index dispersion and optical-absorption edge of physically vapor-deposited films of the $As_{35}S_{65}$ chalcogenide glass 17 (1993) 327

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Randall, C.A., S. Miyazaki, K.L. More, A.S. Bhalla and R.E. Newnham, Structural-property relationships in dielectrophoretically assembled $BaTiO_3$ nanocomposites 15 (1992) 26
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Rauf, I.A., Low resistivity and high mobility tin-doped indium oxide films 18 (1994) 123
Ravach, G., J.M. Saiter, A. Fnidiki and J. Teillet, Calorimetric study of amorphous $Fe_{80.3}Ho_{1.7}B_{18}$ 18 (1994) 35
Ravaev, A.A., Quantifying phase composition of powdered high-T_c superconducting ceramics by use of an effective medium concept 20 (1994) 159
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Ringnalda, J., X. Yao, D.G. McCartney, C.J. Kiely and G.J. Tatlock, The effect of heating rate variations on secondary phases in $YBa_2Cu_3O_{7-\delta}$ 13 (1992) 357
Risbud, S.H. and C.-H. Shan, Resistivity drops at >240 K and diamagnetic ac susceptibility up to 300 K in rapidly consolidated YBCO 20 (1994) 149
Risch, G., M.T. Lanagan, W. Wu, K.C. Goretta and B.M. Moon, $YBa_2Cu_3O_x$ processed with a silver/palladium alloy 12 (1991) 291
Risser, S.M. and K.F. Ferris, Enhancements of local electric fields in inhomogeneous dielectric media by microstructural defects 14 (1992) 99
Ristić, M., S. Popović and S. Musić, Structural properties of the system Al_2O_3–Cr_2O_3 16 (1993) 309
Rivera, E., H. Márquez, L.E. Celaya, J.Ma. Rincón and P. Callejas, New black glasses in the CdO–Al_2O_3–SiO_2 system useful for optical devices 13 (1992) 27
Rivera-Gastelum, M.J., J.E. Puig, V.M. Monroy, M.J. García-Garduño and V.M. Castaño, Characterization of gradual styrene–butadiene rubber blends 15 (1992) 253
Rivera-Gastelum, M.J., O. Robles-Vazquez, J.E. Puig, M.J. García-Garduño, V.M. Castaño and V.M. Monroy, Effect of polystyrene block on the rheological and structural properties of high-styrene-content SBRs 17 (1993) 84
Rivière, J.P., M. Zaytouni, A. Naudon, M.F. Denanot and A. Le Roy, Study of SiC coatings prepared by dynamic ion mixing 16 (1993) 79
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Rogalski, M.S. and M. Morariu, Mössbauer investigation of solid solutions $Y_2Fe_{16}M$, with M = Mo, Ti and their $Y_2Fe_{16}MN_y$ interstitials 18 (1994) 44
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Roth, G., P. Adelmann and R. Knitter, Preparation and crystal structure of $C_{60}S_8CS_2$, a new fullerene-containing heteromolecular solid 16 (1993) 357
Rottman, C., M. Ottolenghi, R. Zusman, O. Lev, M. Smith, G. Gong, M.L. Kagan and D. Avnir, Doped sol–gel glasses as pH sensors 13 (1992) 293
Rousselle, D., S. Lorthioir, Y. Prigent and G. Demazeau, Elaboration and magnetic characterization of iron nitride Fe_4N platelets 15 (1992) 186
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Saiter, J.M., Q. Ma, S. Bénazeth, M. Belhadji and C. Vautier, A study of the short-range ordering in $Ge_xSb_yTe_{(100-x-y)}$ glasses by X-ray absorption spectroscopy 19 (1994) 287
Saito, Y., Contrasting the 0.3 μm depth carrier concentration with dislocation density in a Si-implanted layer 13 (1992) 40
Saiz, E., M.F. Barba and J.S. Moya, Evolution of the microarchitecture of YBaCuO thick films through dissolution 13 (1992) 352
Sakazaki, I., K. Morii and Y. Nakayama, Effects of Si doping on the superconducting properties of high-T_c alloys in the Bi–Sr–Ca–Cu–O system 11 (1991) 321
Sallet, V., R. Druilhe, A. Tromson-Carli, A. Lusson, M. Rommeluere, C. Grattepain, Y. Marfaing and R. Triboulet, Novel modulated flow technique for the OMCVD growth of CdHgTe at 300°C 19 (1994) 99
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Sánchez-Herencia, A.J., see J.S. Moya 14 (1992) 333
Sánchez Llamazares, J.L., S. Díaz Castañón, G. López Núñez and M. Mirabal García, Observation of minor magnetic phases in as-cast $Nd_2(Fe_{1-x}Al_x)_{14}B$-based and related alloys 19 (1994) 143
Sánchez-Soto, P.J., M.A. Avilés, G. Colón, M. Macías and J.A. Navío, Thermal evolution of TiO_2–ZrO_2 composites prepared by chemical coating processing 20 (1994) 339
Sanchis, M.J., F. Sapiña, R. Ibáñez, A. Beltrán and D. Beltrán, Submicrometer $CaCuO_2$ and Ca_2CuO_3 particles from bimetallic formate precursors 12 (1992) 409
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Schildbach, M.A., R.J. Tench, M. Balooch and W.J. Siekhaus, Scanning tunneling microscope observations of pulsed laser modification of the basal plane of graphite 13 (1992) 169
Schilling, A., F. Hulliger, S. Samarappuli and H.R. Ott, New layered cuprates with the 2-2-2-2 structure: $Bi_2Sr_2(RE_{1-x}Th_x)_2Cu_2O_{10}$ (RE=Pr, Nd, Sm, Eu, Gd, Tb, Dy, and Ho) 11 (1991) 217
Schilling, A., J.D. Guo, M. Cantoni, F. Hulliger, B. Xue and H.R. Ott, New cuprates with (Bi,Cu)–O monolayers: $(Bi,Cu)Sr_2LnCeCu_2O_{9-\delta}$ 15 (1992) 141
Schneeweiss, O., On the similarity between dislocation substructures in strained alloys and interfaces in nanocrystalline materials 11 (1991) 43
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Sekhar, B.R., N.L. Saini, P. Srivastava, K. Asokan, K.B. Garg, K. Ramakrishna, O.N. Srivastava and G.L. Dwivedi, Enhanced T_c in Sn-added Bi–2-1-2-2 superconductor 13 (1992) 1
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Selmi, F., F. Guerin, X.D. Yu, V.K. Varadan, V.V. Varadan and V.V. Komarneni, Microwave calcination and sintering of barium strontium titanate 12 (1992) 424
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Senor, D.J., K.L. Peddicord and J.P. Strizak, Effects of hydrogen on the fracture morphology of Inconel 718 11 (1991) 373
Sequeira, W.P., S.J. Dobson, R.A. Buckley and H.A. Davies, The magnetic properties of nanocrystalline melt spun iron–didymium–boron alloys 15 (1993) 376
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Shankar, P., D. Sundararaman and V.S. Raghunathan, Depth profile XRD analysis for characterisation of solid-state amorphisation in the bilayer nickel–titanium system 14 (1992) 67
Sharaf, N.A., R.A. Condrate Sr. and A.A. Ahmed, FTIR spectral/structural investigation of the ion exchange/thermal treatment of silver ions into a silicate glass 11 (1991) 115
Sharma, A.K. and Ch. Ramu, Dielectric properties of solution grown cellulose acetate thin films 11 (1991) 128
Sharma, A.K., B. Rukmini and D. Santhi Sagar, Dopant concentration effect on the thermal discharge behaviour of Fe-doped polyvinyl acetate films 12 (1991) 59
Sharma, A.K., V. Adinarayana and D. Santhi Sagar, dc-conduction mechanism in Fe-doped polystyrene films 12 (1991) 247
Sharma, A.K., R.D. Vispute, D.S. Joag, S.B. Ogale, S.D. Joag, P. Ayyub, M. Multani, G.K. Dey and S. Banerjee, Diamond nucleation at the organic liquid–metal interface by laser-induced reactive quenching 17 (1993) 42
Sharma, S., R. Sati, R.N.P. Choudhary and T.P. Sinha, Diffuse phase transition in solid solution of $Pb(Mg_{1/4}Zn_{1/4}Nb_{1/2})O_{3-\delta}$ and $PbTiO_3$ 16 (1993) 281
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Shechtman, D., A. Feldman and J. Hutchison, High-order twin boundaries in CVD diamond films 17 (1993) 211
Shechtman, D., D. Van Heerden and D. Josell, fcc titanium in Ti–Al multilayers 20 (1994) 329
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Sheen, S.R., D.H. Chen, B.F. Hsu, C.T. Chang, C.Y. Shei, J.C. Huang, Y.L. Sun, Y.H. Hsieh and M.K. Wu, Fabrication of highly pure and small-particle-size $YBa_2Cu_3O_7$ superconducting powder by oxalate coprecipitation 18 (1994) 108
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Shen, T.D., Y.L. Wu, M.X. Quan, J.T. Wang and Z.Q. Hu, Calculation of the temperature for formation of competing intermetallic compounds in Ni/Ti multilayers 17 (1993) 258
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Shi, Z., T.L. Young and M.A. Green, Low-temperature liquid phase epitaxy of silicon 12 (1991) 339
Shi, Z., Growth of thin film silicon on glass substrates from Zn-based solutions 15 (1993) 359
Shih, I., S.L. Wu, L. Li, C.X. Qiu, P. Grant and M.W. Denhoff, Effects of heat treatment on a MgO/Si structure: a possible buffer layer structure for high-T_c superconductors 11 (1991) 161
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Shin, H.S. and D.G. Goodwin, Deposition of diamond coatings on particles in a microwave plasma-enhanced fluidized bed reactor 19 (1994) 119
Shin, M.W., A.I. Kingon, T.M. Hare and C.C. Koch, The effects of excess CuO on the grain growth kinetics, sintering and microstructure of the $YBa_2Cu_3O_{7-\delta}$ superconductor 15 (1992) 13
Shinya, H., see Y. Hirata 15 (1992) 274
Shirkhanzadeh, M., Electrochemical fabrication of bioactive composite coatings on Ti6Al4V surgical alloy 14 (1992) 27
Shirkhanzadeh, M. and M. Azadegan, Hydroxyapatite particles prepared by electrocrystallisation from aqueous electrolytes 15 (1993) 392
Shirkhanzadeh, M., Electrochemical fabrication of alkoxy-derived nanocrystalline zirconia coatings at room temperature 16 (1993) 189
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Shushtarian, S.S., S.B. Ogale, G.N. Chaudhari, P. Singh and V.J. Rao, Epitaxial growth of CaF_2 thin films on (100) GaAs by pulsed-laser deposition and in-situ annealing 12 (1991) 335
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Venugopal, S., S.L. Mannan and Y.V.R.K. Prasad, Processing map for cold and hot working of stainless steel type AISI 304 L 15 (1992) 79
Venugopal, S., S.L. Mannan and Y.V.R.K. Prasad, Influence of cast versus wrought microstructure on the processing map for hot working of stainless steel type AISI 304 17 (1993) 388

Venugopal Reddy, N., B. Subba Rao and V.V.R. Narasimha Rao, Electrical conduction mechanism in cellulose acetate–butyrate polymer films 13 (1992) 147
Venugopal Reddy, P., see Y. Purushotham 17 (1993) 341
Veretnik, D., A. Mombru and S. Reich, Enhancement of crystallinity in $YBa_2Cu_3O_{7-x}$ ceramic by water or NaOH solution attack 16 (1993) 57
Vermaak, J.S., see V. Alberts 13 (1992) 65
Verner, I.V., N.N. Gerasimenko, Y. Zhang and J.W. Corbett, Evolution of point defects during swirl formation in semiconductors 15 (1993) 347
Vidal, L., see B.E. Watts 11 (1991) 183
Videau, J.J., see J.F. Ducel 13 (1992) 271
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Vijayaraghavan, R., see A.S. Tamhane 14 (1992) 185
Vilà, A., A. Cornet, J.R. Morante, Y. González, L. González and F. Briones, Dislocations in GaAs grown by ALMBE on (001) Si 11 (1991) 155
Villares, P., see C. Wagner 15 (1993) 370
Villares, P., see C. Wagner 16 (1993) 243
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Wada, T., see M. Ichimura 18 (1994) 269
Wada, T., see N. Kitamura 19 (1994) 105
Wagner, C., P. Villares, J. Vázquez and R. Jiménez-Garay, Some methods for kinetic studies of non-isothermal crystallization in $Sn_{0.08}As_{0.26}Se_{0.66}$ alloy 15 (1993) 370
Wagner, C., J. Vázquez, P. Villares and R. Jiménez-Garay, Structural analysis and space model of the glassy alloy $Cu_{0.10}As_{0.45}Te_{0.45}$ by X-ray diffraction 16 (1993) 243
Wagner, C., J. Vázquez, P. Villares and R. Jiménez-Garay, A theoretical method for resolving overlapping peaks in differential scanning calorimetry 18 (1994) 280
Wagner, S., see H. Gleskova 13 (1992) 279
Wagner, S., see H. Gleskova 16 (1993) 305
Wahbi, M., J.M. Réau and J. Sénégas, New fast F^- ionic conductors in the PbF_2–InF_3–ZrF_4 system 13 (1992) 218
Waliś, L., see A. Łukasiewicz 14 (1992) 127
Waliś, L., see J. Piekoszewski 14 (1992) 131
Walker, C.T., see A.P. Gonçalves 19 (1994) 13
Wallenberger, F.T., N.E. Weston and S.D. Brown, Calcium aluminate glass fibers: drawing from supercooled melts versus inviscid melt spinning 11 (1991) 229
Wallenberger, F.T. and P.C. Nordine, Strong, small diameter, boron fibers by LCVD 14 (1992) 198
Wanaka, S., see K. Morii 15 (1992) 285
Wang, A.C., Y.Y. Li, C.G. Fan and C.X. Shi, Investigation of micro-segregation in Incoloy 903 19 (1994) 251
Wang, A.C., Y.Y. Li, K. Yang, C.G. Fan, D.F. Li and C.X. Shi, Study of the effect of Ti content on hydrogen embrittlement of Incoloy 903 20 (1994) 257
Wang, C., see Y. Zhu 17 (1993) 314
Wang, C.C. and S.A. Akbar, Decomposition of $YBa_2Cu_3O_x$ under an oxygen potential gradient using a YSZ-based galvanic cell 13 (1992) 254
Wang, G.-H., see J.Y. Ying 15 (1992) 180
Wang, H., see X.L. Wang 15 (1993) 343
Wang, H., W. Sun, H. Zhuang, J. Feng and T.S. Yen, Microstructural observation of β′-sialon–12H multiphase ceramics by HREM 17 (1993) 131
Wang, J., E.K. Mwarania, J.R. Lincoln, T. Feuchter, W.S. Brocklesby, I.W. Croudace, D.N. Payne and J.S. Wilkinson, Fluorescent lifetime of Er^{3+} $^4I_{13/2}$ level in BK-7 borosilicate glass 14 (1992) 347
Wang, J.J., see K.T. Kim 12 (1991) 43
Wang, J.T., see W.F. Miao 12 (1991) 394
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Wang, R., see X.K. Zhang 18 (1994) 318
Wang, S.-Q., see X.-Y. Zhang 14 (1992) 193
Wang, W., H.C. Chen and X.L. Zheng, Photoluminescence and laser-irradiation effect of siloxene compound 14 (1992) 343

Wang, W.L., J.Y. Gao and J.K. Liao, Studies of some photoluminescence properties of a-Si:H films 11 (1991) 180
Wang, W.L., J.Y. Gao, K.J. Lao, D.L. Peng and S.R. Jiang, Effect of oxygen concentration on the photoluminescence spectrum of $CdIn_2O_4$ films 13 (1992) 342
Wang, X., X. Liu, G. Yang, Z. Zheng, W. Huang and S. Zou, Stress behavior of TiN films formed by reactive ion-beam-assisted deposition 16 (1993) 185
Wang, X., Z. Gui, L. Li and X. Zhang, Mössbauer study on valency state of iron ions in $Pb(Fe_{1/2}Nb_{1/2})O_3$ ceramics 20 (1994) 75
Wang, X.L., H. Wang, S.X. Shang, Z.P. Ai, H.C. Chen and M.H. Jiang, Synthesis of a new series of rare-earth vanadates $RBa_2V_3O_{11}$ (R=Y, La, Pr, Nd, Eu, Gd, Dy, Ho, Er, Tm) 15 (1993) 343
Wang, X.R., see L.Y. Cai 20 (1994) 169
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Wang, Y.N., see Y.Q. Yang 17 (1993) 369
Wang, Y.Q., R.E. Giedd, S.S. Mohite, T.S. Jahnke, L.B. Bridwell and C.J. Sofield, Ion implantation of new polymers containing imide and amide units 12 (1991) 21
Wang, Y.Q., see Y.P. Feng 17 (1993) 167
Wang, Y.Z., G.W. Qiao, X.D. Liu, B.Z. Ding and Z.Q. Hu, Electrical resistivity of nanocrystalline Fe–Cu–Si–B alloys obtained by crystallization of the amorphous alloy 17 (1993) 152
Wang, Z.G., see S.J. Zhu 13 (1992) 199
Wang, Z.Y., see W.L. Lin 13 (1992) 212
Wanklyn, B.M., see A.K. Pandit 11 (1991) 52
Ward, P.J., P.F. Messer, E.A. Harris and J. Crangle, Production of aligned, sintered compacts of $YBa_2Cu_3O_{7-\delta}$ by magnetic filter-pressing 14 (1992) 172
Ward-Close, C.M. and P.G. Partridge, The production of titanium–magnesium alloys by vapour quenching 11 (1991) 295
Warrier, K.G.K., see T.V. Mani 19 (1994) 237
Wasylenko, S., see L.J. Martin 17 (1993) 232
Watts, B.E., F. Leccabue, G. Bocelli, G. Calestani, F. Calderon, O. de Melo, P.P. Gonzalez, L. Vidal and D. Carrillo, On the preparation of PZT thin films by laser ablation deposition 11 (1991) 183
Wayman, C.M., see J. Kim 11 (1991) 151
Wayman, C.M., see J.G. Chen 14 (1992) 177
Wayman, C.M., see J.H. Yang 16 (1993) 254
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Wei, X., see X. Zhou 18 (1994) 14
Wei, Y., D. Yang and R. Bakthavatchalam, Thermal stability and hardness of new polyacrylate–SiO_2 hybrid sol–gel materials 13 (1992) 261
Wei, Y., see A. Nath 16 (1993) 39
Weinberg, M.C., see J. Podlesny 13 (1992) 267
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Welsch, G., see K.T. Kim 12 (1991) 43
Welsch, G., see K.T. Kim 12 (1991) 229
Weng, L., D. Huang and X. Jiang, Synthesis of aluminum nitride from aluminum citrate precursor 18 (1994) 159
Werckmann, J., see T. Epicier 11 (1991) 389
Weston, N.E., see F.T. Wallenberger 11 (1991) 229

Whittenberger, J.D., M.V. Nathal, S.V. Raj and V.M. Pathare, Slow strain rate 1200–1400 K compressive properties of NiAl–1Hf 11 (1991) 267
Whittenberger, J.D., R. Ray and D.S. Lee, 1000 to 1100 K deformation behavior of three TiAl-based particulate composites 12 (1992) 453
Whitton, J.L., see L. Clapham 16 (1993) 139
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Wisbey, A. and P.J. Gregson, Effect of heat treatment and TiN coating on mechanical properties of CoCrMo alloy for medical implants 12 (1991) 123
Wolf, D., see K.L. Merkle 17 (1993) 217
Wolf, Th., see S. Karabashev 16 (1993) 331
Wolfenstine, J., The existence of a threshold stress during creep of a Ti–53.4 mol.% Al alloy 12 (1991) 203
Wolfenstine, J., H.K. Kim and R.J. McClelland, Dislocation substructure developed during creep of ceramic solid solution alloys 14 (1992) 237
Wolfenstine, J., G. González-Doncel and O.D. Sherby, Tension versus compression superplastic behavior of a Mg–9 wt% Li–5 wt% B_4C composite 15 (1992) 305
Wolfenstine, J. and G. González-Doncel, Creep behavior of single-phase γ-TiAl 18 (1994) 286
Wollschläger, S., see J. Dryzek 12 (1991) 16
Won, D.Y., see C.J. Kim 11 (1991) 79
Won, D.Y., see C.J. Kim 11 (1991) 241
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Wu, J.-M., see J.-J. Shyu 11 (1991) 15
Wu, J.-M. and C.-H. Lai, Influence of a PbO compensation atmosphere and surface layers on the electrical properties of (Pb, Nb)-doped TiO_2 varistors 15 (1992) 35
Wu, J.L., see X.K. Zhang 18 (1994) 318
Wu, M.K., see H.S.W. Chang 16 (1993) 342
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Wu, T.-B., see L.-J. Lin 11 (1991) 222
Wu, W., see G. Risch 12 (1991) 291
Wu, X.C., W.S. Wei and T.S. Shi, Mirror-translational (011) twin boundary in modulated $Bi_2Sr_2CaCu_2O_{8+\delta}$ 16 (1993) 275

Wu, X.J., see D.X. Li 18 (1994) 29
Wu, Y.L., see T.D. Shen 17 (1993) 258
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Xian, A.P., Z.Y. Si, L.J. Zhou, J.N. Shen and T.F. Li, An improvement of the oxidation resistance of Ag–Cu eutectic–5 at% Ti brazing alloy for metal/ceramic joints 12 (1991) 84
Xie, E., see F. Zhang 19 (1994) 115
Xing, G.C. and M.C. Öztürk, Formation of self-aligned $TiSi_2$ contacts to Si at low temperatures using $TiCl_4$ and SiH_4 with selective in-situ predeposition of Si_xGe_{1-x} 17 (1993) 379
Xing, Z.P., see J.Y. Dai 20 (1994) 23
Xu, D., X.L. Xu and S.C. Zou, Correlation between ion-beam-modified polyimide conductivity and implantation condition: a Raman spectroscopic approach 12 (1991) 12
Xu, D., see W.B. Hou 18 (1994) 207
Xu, H., S. Tan and L. Sun, Preparation and synthesis of ultrafine particles by laser beams 12 (1991) 138
Xu, H.W. and N. Kamegashira, Estimation of Debye temperature and compressibility from ultrasonic pulse measurements in $ScMnO_3$ 19 (1994) 157
Xu, J., see W.L. Lin 13 (1992) 212
Xu, R.G., see L.L. He 19 (1994) 17
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Xu, Y., see W. Zhou 13 (1992) 166
Xue, B., see A. Schilling 15 (1992) 141

Yadav, K.L. and R.N.P. Choudhary, Structural and electrical properties of PZT (La, K) ceramics 16 (1993) 291
Yadav, K.L. and R.N.P. Choudhary, Structural and electrical properties of PZT (La, Na) ceramics 19 (1994) 61
Yadav, P.S., see B.K. Agrawal 12 (1991) 54
Yadava, Y.P., see J. Koshy 15 (1992) 298
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Yan, S., G. Yuan and Y. Zhong, Growth and spectral characteristics of $Ce^{3+}:YAlO_3$ 16 (1993) 222
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Yang, B., see F. Zhang 19 (1994) 115
Yang, C.J., W.Y. Lee, S.D. Choi and Y.H. Jeong, Phase transition and magnetic properties of rapidly solidified Nd–Fe alloys 12 (1991) 233
Yang, D., see Y. Wei 13 (1992) 261
Yang, D.Z., see J.F. Mao 18 (1994) 257
Yang, D.Z., see L.L. He 19 (1994) 17
Yang, G., see X. Wang 16 (1993) 185
Yang, J., S. Zhou, M. Zhang, F. Li, J. Zhao and R. Wang, Preparation and magnetic properties of $Sm_2Fe_{17}N_x$ compound 12 (1991) 242
Yang, J.H. and C.M. Wayman, Training and aging effects on shape memory behavior in a two-phase NiAlFe alloy 16 (1993) 254
Yang, K., see A.C. Wang 20 (1994) 257
Yang, L., see H. Jin 20 (1994) 79
Yang, N. and L. Chang, Structural inhomogeneity and crystallization behavior of aerosol-reacted $MgAl_2O_4$ powders 15 (1992) 84
Yang, Y.Q., Z.F. Zhang, H.M. Shen, Y.N. Wang, X.N. Zhao, J.M. Hong, D.H. Liu and M.K. Kang, Composition change during bainite transformation in Cu-based shape memory alloys 17 (1993) 369
Yang, Z.H., see W.B. Hou 18 (1994) 207
Yang, Z.J., K. Kishio, T. Kimura, T. Kobayashi and S.L. Yuan, Determination of irreversibility line of an $La_{1.87}Sr_{0.13}CuO_4$ single crystal: a scaling approach 17 (1993) 227
Yao, X., see J. Ringnalda 13 (1992) 357
Yao, Y.F., see X.K. Zhang 18 (1994) 318
Yasuda, K. and T. Wada, Depth profile of defects in Si irradiated with high-energy electrons; Monte Carlo simulation 18 (1994) 133
Ye, C.Q., see W. Tao 14 (1992) 255
Ye, H.Q., see A.Q. He 13 (1992) 373

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Yin, E., M. Rubin and C.B. Hopper, On-axis shielded sputtering of Y–Ba–Cu–O 13 (1992) 89
Ying, J.Y., G.-H. Wang, H. Fuchs, R. Laschinski and H. Gleiter, STM/AFM study of grain boundary migration in nanostructured solids 15 (1992) 180
Yonenaga, I., see K. Minowa 11 (1991) 164
Yoo, J.-S., see J.-H. Choy 13 (1992) 232
Yoo, J.-S., see J.-H. Choy 16 (1993) 226
Yoon, H.-H. and D.-Y. Kim, Effect of heating rate on the exaggerated grain growth during the sintering of Sr-hexaferrite 20 (1994) 293
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Youssef, A.M., see M.R. Mostafa 18 (1994) 273
Yu, W.T., see W.B. Hou 18 (1994) 207
Yu, X.D., see F. Selmi 12 (1992) 424
Yu, X.D., F. Selmi, V.V. Varadan and V.K. Varadan, Binder burn out of tape casted ceramics by microwave energy 14 (1992) 245
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Zaitsev, A., K.H. Klatt, P. Reiche and P.M. Meuffels, Interaction between $Nd_{0.4}Sr_{0.6}Al_{0.7}Ta_{0.3}O_3$ substrates and $YBa_2Cu_3O_7$ films deposited by sputtering 15 (1992) 146
Zaki, M., see M. Adly 19 (1994) 93
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Zampieron, L.V., see M. Ferrante 19 (1994) 57
Zanghellini, E., see C.A. Achete 18 (1994) 218
Závětová, M., J. Pastrňák and J. Oswald, Spectroscopic study of Si-related defects in non-homogeneous GaAs:Si 17 (1993) 237
Zaytouni, M., see J.P. Rivière 16 (1993) 79
Zdujić, M.V., O.B. Milošević and Lj.Č. Karanović, Mechanochemical treatment of ZnO and Al_2O_3 powders by ball milling 13 (1992) 125
Zhang, B.-S., see X.-Y. Zhang 14 (1992) 193
Zhang, F., B. Ma and G. Chen, Effects of annealing on the optical properties of hydrogenated amorphous carbon films 12 (1991) 63
Zhang, F., see W. Zhang 15 (1992) 292
Zhang, F., E. Xie, B. Yang, Y. Cai and G. Chen, Synthesis and infrared absorption characteristics of boron-doped semiconducting diamond thin films 19 (1994) 115
Zhang, F., see Y. Zhang 20 (1994) 39
Zhang, G., see R. Chen 14 (1992) 135
Zhang, G.J., see J.Y. Dai 16 (1993) 317
Zhang, H., see X. Li 15 (1992) 175
Zhang, J., see L. Sun 17 (1993) 360
Zhang, J.-Z., see X.-Y. Zhang 14 (1992) 193
Zhang, J.L. and J.E. Evetts, Preparation of $BaHfO_3$ using a spray drying method 15 (1993) 331
Zhang, L., see W. Zhou 11 (1991) 352
Zhang, L., see W. Zhou 13 (1992) 166
Zhang, M., see J. Yang 12 (1991) 242
Zhang, M., see Y. Zhu 17 (1993) 314
Zhang, N., see W.B. Hou 18 (1994) 207
Zhang, S., see Y. Tang 18 (1994) 148
Zhang, T., A. Inoue and T. Masumoto, The effect of atomic size on the stability of supercooled liquid for amorphous $(Ti, Zr, Hf)_{65}Ni_{25}Al_{10}$ and $(Ti, Zr, Hf)_{65}Cu_{25}Al_{10}$ alloys 15 (1993) 379
Zhang, T., see A. Inoue 16 (1993) 108
Zhang, T., see A. Inoue 19 (1994) 131
Zhang, W., F. Zhang, Q. Wu and G. Chen, Study of influence of annealing on defects in diamond films with ESR and IR measurements 15 (1992) 292
Zhang, X., see X. Wang 20 (1994) 75
Zhang, X.-Y., S.-Q. Wang, J.-Z. Zhang, B.-S. Zhang, R. Hidalgo, R.S. Markiewicz and B.C. Giessen, Biaxial alignment of high-T_c superconductor polycrystals. VI. Biaxial alignment of $(Eu_{0.92}Yb_{0.08})Ba_2Cu_3O_x$ [1-2-3(Eu)] 14 (1992) 193
Zhang, X.K., J.Z. Zhu, R. Wang, X.H. Liu, Y.F. Yao and J.L. Wu, Diamond films as substrates for glucose sensors 18 (1994) 318
Zhang, X.W., see L.Y. Cai 20 (1994) 169
Zhang, Y., see I.V. Verner 15 (1993) 347
Zhang, Y., F. Zhang and G. Chen, A study on surface morphologies of diamond films 20 (1994) 39

Zhang, Y.-H., see E. Tournié 11 (1991) 343
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Zhao, D., see Y. Tang 18 (1994) 148
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Zheng, X.L., see W. Wang 14 (1992) 343
Zheng, Z., S. Liang, C. Tan and D. Yin, Effect of preaging on precipitation of the S′ phase in 8090 and 2091 type Al–Li alloys 15 (1992) 309
Zheng, Z., see X. Wang 16 (1993) 185
Zhirnov, V.V., see E.I. Givargizov 18 (1994) 61
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Zhou, S., see J. Yang 12 (1991) 242
Zhou, S.Y., see W.L. Lin 13 (1992) 212
Zhou, W., Y. Xu, L. Zhang, X. Sun, J. Ma and S. She, Crystallization of silica fibers made from metal alkoxide 11 (1991) 352
Zhou, W., Y. Xu, L. Zhang, X. Sun, J. Ma and S. She, Spinnability of $Si(OC_2H_5)_4$–C_2H_5OH–H_2O–HCl solutions 13 (1992) 166
Zhou, X., X. Wei, J. Li, W. Ke, G. Liu and W. Gorbatenko, Application of the SPI technique to study the effect of corrosion factors on the crack-tip deformation of metals 18 (1994) 14
Zhou, Y., D. Jiang, S. Tan and J. Guo, Preparation of silicon carbide platelets 16 (1993) 84
Zhou, Y.C., X. Chang, J. Zhou and F. Xia, Branching phenomena in Si_3N_4 whiskers 14 (1992) 55
Zhou, Z., see P. Liu 17 (1993) 383
Zhu, J.Z., see X.K. Zhang 18 (1994) 318
Zhu, M. and D.D.L. Chung, On the simultaneous calcination and sintering of $YBa_2Cu_3O_{7-x}$ in high magnetic fields 18 (1994) 186
Zhu, N., see J.G. Chen 14 (1992) 177
Zhu, S.J., Y.X. Lu, Z.G. Wang and J. Bi, Creep behavior of TiC-particulate-reinforced Ti alloy composite 13 (1992) 199
Zhu, S.N., see J.-M. Liu 20 (1994) 35
Zhu, W. and P.S. Nicholson, The quantitative X-ray phase analysis in Bi–(Pb)–Sr–Ca–Cu–O superconductor system 12 (1991) 191
Zhu, Y., Y. Qian, M. Zhang, Z. Chen, B. Lu and C. Wang, Preparation of nanocrystalline silver powders by γ-ray radiation combined with hydrothermal treatment 17 (1993) 314
Zhuang, H., see H. Wang 17 (1993) 131
Zihlif, A.M. and G. Ragosta, Mechanical properties of talc–polypropylene composites 11 (1991) 368
Zihlif, A.M., see A.N. Haj-Daoud 15 (1992) 104
Zou, S., see X. Wang 16 (1993) 185

Zou, S., see P. Liu 17 (1993) 383
Zou, S.C., see D. Xu 12 (1991) 12
Zusman, R., see C. Rottman 13 (1992) 293

Materials Science Monograph, Volume 78

Cyclic Deformation and Fatigue of Metals

Edited by **M. Bíly**

©1993 *xiv + 372 pages* *Price: Dfl. 285.00 (US $ 162.75) ISBN 0-444-98790-8*

Distributed in the East European Countries, China, Cuba, Mongolia, North Korea and Vietnam by SLOVART,

An integral review is given in this book on the fatigue phenomenon covering the fundamentals of fatigue damage initiation, relevant factors influencing fatigue crack propagation and fatigue life, random load analysis, and simulation for theoretical and experimental fatigue life assessment. The entire chain of problems related to fatigue of metals and structural components is covered. Specifically, it describes the low-cycle plastic properties and statistically interprets the material stress reaction, examining original results of investigations on inelastic deformations under high cycle cyclic loading and correlating them with a number of use parameters. The limit states of bodies with primary defects and their resistance to fatigue crack propagation are discussed. Measurements, analysis and real-time modelling of operating loads for experimental fatigue life verification are reviewed as well as introducing some new fatigue damage accumulation hypotheses based on dissipated energy. Various operating and environmental factors of the fatigue life are analyzed, including temperature, metal structures, corrosive environment, stress-strain amplitudes and their changes, random load (strain) properties, stress gradient frequency, mean level, etc. The work is intended for all those involved in research and development in the metal, machine and structure fields.

Contents: 1. General Features of the Fatigue Process *(M. Klesnil et al.).* Cyclic hardening/softening process. Nucleation of cracks. Fatigue crack propagation.
2. Low-Cycle Fatigue *(M. Klesnil et al.).* Cyclic plasticity. Hysteresis loop. Variable amplitudes. Stress and strain concentration in a notch. Effect of service factors. Fatigue life. References.
3. High-Cycle Fatigue *(V.T. Troshchenko et al.).* Basic information about inelasticity of metals. Mechanism of inelastic deformation of metals. Some laws of inelastic deformation and fatigue damage. Strain and energy criteria of fatigue damage of metals. Accelerated method of fatigue limit determination. References.
4. Resistance to Fatigue Crack Propagation *(V.T. Troshchenko et al.).* Strength of cyclically loaded components with cracks. Resistance of components to cracks, effect of service factors. References.
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European Materials Research Society Monographs, Volume 7

Monitoring of Orthopedic Implants

A Biomaterials-Microelectronics Challenge

Edited by **F. Burny** and **R. Puers**

©1993 320 pages Price: Dfl. 345.00 (US $ 197.25) ISBN 0-444-81620-8

Some key aspects of what will inevitably be implemented in future implants are reported in this work. The highest performances of biomaterials will be attributable to incorporating the complexity and efficiency of associated techniques. Further improvement in orthopedic implants requires the application of advanced technologies. The ultimate goal is to integrate materials and other methods to communicate with a remote decision centre. In the sixties, interdisciplinarity resulted in the emergence of biomechanics and biomaterials. Interdisciplinarity now encompasses an even larger dimension involving complex aspects of multiple fields. The articles in this volume present contributions by recognized scientists in fields as diverse as biomaterials, microelectronics and computer applications. The work will make an important contribution to the advancement of diagnosis and therapy through the amalgamation of medical skills and advanced engineering concepts, combining the advantages of interdisciplinary progress to improve the effectiveness of the implants. The choice of topics in this volume clearly illustrates the mandatory interdisciplinary approach to the complex systems that represent the future of biomaterials.

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Studies in Applied Mechanics, Volume 38

Problems of Technological Plasticity

By **B. Druyanov** and **R. Nepershin**

©1994 426 pages Price: Dfl. 310.00 (US$177.25) ISBN 0-444-81646-1

In this book the classical rigid-plastic model of deformed workpiece and the characteristic (slipline) method of analysis is assumed. The rigid-plastic solid assumption is deemed reasonable for the problems of technological plasticity with large scale plastic flow, where small elastic stains are negligible. Along with classical results of the theory of plasticity the book includes many original analytical and numerical solutions of the problems of technological plasticity obtained by the authors in Russia and unknown for most western readers. The results of the analyses are given by analytical formulae and many graphs and tables, so the book will be useful for the practical and research engineers. It may also be used as a textbook by graduate students and engineers.

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